

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2711367

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALLTECH ASSOCIATES, INC.	02/03/2014
RECEIVING PARTY DATA	
Name:	GOLDMAN SACHS BANK USA, AS THE COLLATERAL AGENT
Street Address:	200 WEST STREET
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10282-2198
PROPERTY NUMBERS Total: 29	
Property Type	Number
Patent Number:	7006218
Patent Number:	6362880
Application Number:	13266870
Patent Number:	8314934
Patent Number:	8305581
Patent Number:	8305582
Application Number:	13681069
Patent Number:	6036855
Application Number:	13133733
Application Number:	13262756
Application Number:	13139061
Application Number:	13132619
Patent Number:	8580935
Patent Number:	8115930
Application Number:	12451914

Patent Number:	8470173
Application Number:	13133837
Application Number:	13139016
Application Number:	13139030
Patent Number:	6998042
Patent Number:	6444475
Patent Number:	6229605
Patent Number:	8459101
Application Number:	12224929
Patent Number:	6932904
Patent Number:	7008532
Patent Number:	5951873
Patent Number:	5893971
Patent Number:	5866008

CORRESPONDENCE DATA

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 Correspondent Name: ZEYNEP GIESEKE
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 Address Line 2: C/O LATHAM & WATKINS LLP
 Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	049646-0173
NAME OF SUBMITTER:	ZEYNEP GIESEKE
Signature:	/zg/
Date:	02/04/2014

Total Attachments: 8

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GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS

This **Patent Security Agreement**, dated as of February 3, 2014, by and between Alltech Associates, Inc., an Illinois corporation (the “Grantor”), in favor of GOLDMAN SACHS BANK USA, in its capacity as Collateral Agent pursuant to the Credit Agreement dated as of February 3, 2013 (in such capacity together with its successors and assigns, the “Grantee”).

W I T N E S S E T H:

Whereas, the Grantor is party to a Security Agreement dated as of February 3, 2014 (as amended, modified or supplemented, the “Security Agreement”) in favor of the Grantee pursuant to which the Grantor is required to execute and deliver this Patent Security Agreement;

Now, therefore, in consideration of the premises and to induce the Grantee, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Grantor hereby agrees with the Grantee as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. The Grantor hereby pledges and grants to the Grantee for the benefit of the Secured Parties a security interest in and to all of its right, title and interest in, to and under all the Patents owned by the Grantor including, without limitation, those issued Patents and Patent applications on Schedule I attached hereto and all Proceeds of any and all of the foregoing.

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in connection with the Security Agreement and is expressly subject to the terms and conditions thereof. Grantor hereby acknowledges and affirms that the rights and remedies of the Grantee with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. The Security Agreement (and all rights and remedies of the Lenders thereunder) shall remain in full force and effect in accordance with its terms. In the event that any provision of this Patent Security Agreement is deemed to conflict with or is otherwise inconsistent with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Purpose. This Agreement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office.

SECTION 5. Termination. Upon termination of the Security Agreement, the security interest granted pursuant to this Patent Security Agreement shall be automatically released and the Grantee shall, at the reasonable request of the Grantor, execute, acknowledge, and deliver to the Grantor an instrument in writing in recordable form releasing the collateral pledge, grant, lien and security interest in all Patents owned by the Grantor, including, without limitation, those

other transfer by the Grantor of any Collateral constituting Patents (other than to another Grantor) that is permitted under the Credit Agreement or (ii) the Grantor being released from its obligations under the Security Agreement, in each case, the security interest granted pursuant to this Patent Security Agreement shall be automatically released in accordance with (and subject to) Section 8.13 of the Security Agreement.

SECTION 6. Governing Law. THIS PATENT SECURITY AGREEMENT AND ANY CLAIMS, CONTROVERSY, DISPUTE OR CAUSE OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS AGREEMENT AND THE TRANSACTIONS CONTEMPLATED HEREBY SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK WITHOUT REGARD TO THE CONFLICT OF LAWS PRINCIPLES OF THE STATE OF NEW YORK.

SECTION 7. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts. Delivery of an executed signature page to this Patent Security Agreement by facsimile transmission or other electronic transmission shall be as effective as delivery of a manually signed counterpart of this Patent Security Agreement.

[signature page follows]

IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

ALLTECH ASSOCIATES, INC.,
as the Grantor

By: _____

Name: Hudson La Force III

Title: Vice President and Assistant Treasurer

[Signature Page to Patent Security Agreement]

PATENT
REEL: 032157 FRAME: 0268

Accepted and Agreed:

GOLDMAN SACHS BANK USA,
as the Collateral Agent and the Grantee

By: 

Authorized Signatory

Robert Ehudin
Authorized Signatory

[Signature Page to Patent Security Agreement]

PATENT
REEL: 032157 FRAME: 0269

SCHEDULE I
to
GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS

Invention Title	Owner Name	Appl. No.	Filing Date	Publ. No.	Publ. Date	Patent No.	Issue Date
Low temperature adaptor for evaporative light detection	Alltech Associates, Inc.	09/392,757*	9/7/1999			7006218	2/28/2006
Low temperature adaptor for evaporative light detection	Alltech Associates, Inc.	08/932,262*	9/17/2006			6362880	3/28/2002
Methods and Apparatus For Analyzing Samples and Collecting Sample Fractions	Alltech Associates, Inc.	13/266870	10/28/2011	2013-0042673-A1	2/21/2013	20090148692	
Methods and Apparatus for Analyzing Samples and Collecting Sample Fractions	Alltech Associates, Inc.	12/959933	12/3/2010	2011-0301868-A1	12/8/2011	8314934	11/20/2012
Methods and Apparatus for Analyzing Samples and Collecting Sample Fractions	Alltech Associates, Inc.	12/960042	12/3/2010	2011-0310390-A1	12/22/2011	8305581	11/6/2012
Methods and Apparatus for Analyzing Samples and Collecting Sample Fractions	Alltech Associates, Inc.	12/960114	12/3/2010	2011-0301865-A1	12/8/2011	8305582	11/6/2012
Methods and Apparatus for Analyzing Samples and Collecting Sample Fractions	Alltech Associates, Inc.	13/681069	11/19/2012	2013-0074579-A1	3/28/2013		
Method and Apparatus for Packing and Sealing Chromatographic Columns	Alltech Associates, Inc.	08/937301	9/15/1997			6036855	3/14/2000

Invention Title	Owner Name	Appl. No.	Filing Date	Publ. No.	Publ. Date	Patent No.	Issue Date
Chromatography Columns	Alltech Associates, Inc.	13/133733	6/9/2011	2012-0079874-A1	4/5/2012		
Methods For Optimizing Gradients in Liquid Chromatography Systems	Alltech Associates, Inc.	13/262756	10/3/2011	2012/0166098	6/28/2012		
Automated Sample Injection Apparatus, Multiport Valve, And Methods Of Making And Using The Same	Alltech Associates, Inc.	13/139061	6/10/2011	2012-0096932-A1	4/26/2012		
Methods and Apparatus for Moving Aliquot Samples of Fluid	Alltech Associates, Inc.	13/132619	6/3/2011	2012-0073665-A1	3/29/2012		
Ultra-Fast Chromatography	Alltech Associates, Inc.	12/528670	8/26/2009	2010-0167374-A1	7/1/2010	8580935	11/12/2013
Methods and Apparatus for Analyzing Samples and Collecting Sample Fractions	Alltech Associates, Inc.	12/529477	9/1/2009	2010-0238444-A1	9/23/2010	8115930	2/14/2012
Silica Particles and Methods of Making and Using The Same	Alltech Associates, Inc.	12/451914	12/4/2009	2010-0116743-A1	5/13/2010		
Column Packing Apparatus and Method of Making and Using The Same	Alltech Associates, Inc.	12/918977	8/23/2010	2012-0085462-A1	4/12/2012	8470173	6/25/2013
Components Suitable For Use In Devices Such As An Evaporative Light Scattering Detector	Alltech Associates, Inc.	13/133837	6/9/2011	2011-0302994-A1	12/15/2011		
Chromatography Systems And System Components	Alltech Associates, Inc.	13/139016	6/10/2011	2012-0175289-A1	7/12/2012		

Invention Title	Owner Name	Appl. No.	Filing Date	Publ. No.	Publ. Date	Patent No.	Issue Date
Solvent Feed Systems For Chromatography Systems And Methods Of Making And Using The Same	Alltech Associates, Inc.	13/139030	6/10/2011	2012-0103073-A1	5/3/2012		
Solid Compositions for Selective Adsorption from Complex Mixtures	Alltech Associates, Inc.	10/892779	7/16/2004	2005-0003428-A1	1/6/2005	6998042	2/14/2006
Ion Chromatography Apparatus and Method for Removing Gas Prior to Sample Detection	Alltech Associates, Inc.	09/417231	10/13/1999			6444475	9/3/2002
Evaporative Light Scattering Device	Alltech Associates, Inc.	09/523108	3/10/2000			6229605	5/8/2001
Composite Chromatography Column	Alltech Associates, Inc.	11/992904	3/28/2008	2009-0260420-A1	10/22/2009	8459101	6/11/2013
Evaporative Light Scattering Detector	Alltech Associates, Inc.	12/224929	9/9/2008	2011-0181880-A1	7/28/2011		
Chromatographic Device and Method of Forming A Chromatographic Device	Alltech Associates, Inc.	10/114528	4/2/2002	2003-0183566	10/2/2003	6932904	8/23/2005
Chromatographic Device having an Elongate Rod and Method of Forming a Chromatographic Device	Alltech Associates, Inc.	10/122275	4/12/2002	2003-0194814 A1	10/16/2003	7008532	3/7/2006
Chromatographic Device with Piston Locking Mechanism and Method of Packing Same	Alltech Associates, Inc.	08/996973	12/23/1997			5951873	9/14/1999
Apparatus That Maintains Compression in a Tube	Alltech Associates, Inc.	08/942153	10/1/1997			5893971	4/13/1999

Invention Title	Owner Name	Appl. No.	Filing Date	Publ. No.	Publ. Date	Patent No.	Issue Date
Method for Packing and Sealing Chromatographic Columns	Alltech Associates, Inc.	08/942259	10/1/1997			5866008	2/2/1999

*The Company does not intend to maintain these patents or patent applications. They will lapse in due course.